CLAIMS

1. A method of producing an electronic device (100) having a stratified electro-optical stack (90) on a substrate (10) carrying an electrode structure (12), the method comprising the steps of:

providing the substrate (10) carrying the electrode structure (12); providing a further substrate (20);

depositing a mixture of an electro-optical material (32) and a polymer precursor (34) on the further substrate (20);

forming the stratified electro-optical stack (90) by polymerizing the polymer precursor (34) into a polymer layer (44) sandwiching the electro-optical material (32) between the polymer layer (44) and the further substrate (20); and

adhering the substrate (10) to the stratified electro-optical stack (90).

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- 2. A method as claimed in claim 1, wherein the step of adhering the substrate (10) to the stratified electro-optical stack (90) is preceded by providing the substrate (10) with an adhesive layer (60).
- 3. A method as claimed in claim 1, wherein the step of adhering the substrate (10) to the stratified electro-optical stack (90) is preceded by providing the stratified electro-optical stack (90) with an adhesive layer (44, 50, 60).
- 4. A method as claimed in daim 3, wherein the step of providing the stratified electro-optical stack (90) with an adhesive layer (50) comprises providing the stratified electro-optical stack (90) with an adhesive planarization layer (50) over the polymer layer (44).
 - 5. A method as claimed in claim 2 or 4, further comprising the steps of:

providing the further substrate (20) comprising a polymer support (28) covered by a light-sensitive release lacquer prior to the step of depositing a

mixture of a electro-optical material (32) and a polymer precursor (34) on the

further substrate (20); and releasing the polymer support

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releasing the polymer support (28) by providing a light stimulus to the light-sensitive release lacquer after adhering the substrate (10) to the stratified electro-optical stack (90).

- 6. A method as claimed in claim 5, further comprising the step of covering the photosensitive release lacquer with a barrier layer prior to the step of depositing a mixture of an electro-optical material (32) and a polymer precursor (34) on the further substrate (20).
 - 7. A method as claimed in claim 1, further comprising the step of providing the further substrate (20) with a conductive layer (22) prior to the step of depositing a mixture of an electro-optical material (32) and a polymer precursor (34) on the further substrate (20).
- 8. A method as claimed in claim 1, further comprising the step of adding an adhesive to the mixture of an electro-optical material (32) and a polymer precursor (34) prior to the step of depositing the mixture on the further substrate.
- 9. A method as claimed in claim 1, wherein the electro-optical material (32) is a liquid crystal material, the method further comprising the step of providing the further substrate with an alignment layer (26) prior to the step of depositing a mixture of an electro-optical material (32) and a polymer precursor (34) on the further substrate.
- 10. A method as claimed in claim 9, further comprising the step of providing the substrate (10) with a light-polarizing layer (14).

- 11. A method as claimed in claim 2 or 3, further comprising the step of activating the adhesive layer (60) by means of pressure.
 - 12. An electronic device (100) comprising:

a substrate (10) carrying an electrode structure (12);

an electro-optical stack (90) at least partially covering the electrode structure (12), the electro-optical stack (90) comprising a stratified polymer layer (44), a further substrate (20) and an electro-optical material (32) sandwiched between the polymer layer (44) and the further substrate (20); and an adhesive layer (44, 50, 60) between the substrate (10) and the

electro-optical stack (90).

13. An electronic device (100) as claimed in claim 12, wherein the polymer layer (44) comprises the adhesive layer.

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14. An electronic device (100) as claimed in claim 13, wherein the adhesive layer (50, 60) is oriented between the polymer layer (44) and the substrate (10).

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15. An electronic device (100) as claimed in claim 14, wherein the adhesive layer is a planarization layer (50).

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16. An electronic device (100) as claimed in claim 12, wherein the electro-optical material (32) comprises a liquid crystal material, the electronic device (100) further comprising:

an alignment layer (26) between the electro-optical material (32) and the further substrate (20);

a first light-polarizing layer (14) between the electro-optical material (32) and the substrate (10); and

a second light-polarizing layer (24) between the alignment layer (26) and the further substrate (20).

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17. An electronic device (100) as claimed in claim 12, 13 or 14, wherein the electro-optical material (32) comprises a liquid crystal material, the electronic device (100) further comprising:

an alignment layer (26) between the electro-optical material (32) and the further substrate (20); and a first polarizer (102) and a second polarizer (104), the substrate (10) and the electro-optical stack (90) being oriented between the first polarizer (102) and the second polarizer (104).

- 18. An electronic device (100) as claimed in claim 12, wherein the further substrate (20) comprises a colour filter plate.
 - 19. An electronic device (100) as claimed in any of the claims 12-18, the electronic device (100) further comprising a conductive layer (22) between the further substrate (20) and the electro-optical material (32).

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- 20. An electronic device (100) as claimed in any of the claims 12-19, wherein the further substrate (20) comprises a plastic substrate.
- 21. An electronic device as claimed in any of the claims 12-19, wherein the further substrate (20) comprises a glass substrate.
 - 22. An electronic device as claimed in any of the claims 12-19, wherein the further substrate (20) comprises a light-sensitive release lacquer.